

## *News & Notes from the National Institute of Nursing Research: February 2013*

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### **1. Collaboration on Future NIH News Releases and Other Media**

In collaboration with your institution, NINR seeks to promote and disseminate published results of NINR-funded research through the publication of press releases and other media. Should you have an accepted research article (page proof) that you wish to share with NINR, please send an email to [info@ninr.nih.gov](mailto:info@ninr.nih.gov).

### **2. NINR Collaborates on Article in the 2013 Genomics Special Issue of the *Journal of Nursing Scholarship* and Supplementary Webinar Series**

Drs. Patricia A. Grady, Ann R. Knebel, Ann Cashion, and Lois A. Tully are among several co-authors of a manuscript that appears in the 2013 Genomics Special Issue of the *Journal of Nursing Scholarship*. The article, “A Blueprint for Genomic Nursing Science,” includes recommendations of a 2012 Genomic Nursing State of Science Advisory Panel, which explored ways to further genomic nursing science to improve health outcomes.

The article provides the framework for furthering genomic nursing science to improve health outcomes. A review of NINR supported research studies was one of the methods included in the development of the blueprint, which is aligned with four [NINR Strategic Plan](#) areas and “provides the platform for moving nursing science forward to address identified gaps and responsibly translate genomics into cost-effective healthcare outcomes.”

In addition to topics related to nursing science, the special issue, which was coordinated by staff at the National Human Genome Research Institute (NHGRI) and the National Cancer Institute, contains several articles which highlight the translation of genomics into healthcare and the importance of the role of nurses in the application of genomics to clinical care.

A “Blueprint for Genomic Nursing Science” is available at [www.ninr.nih.gov/genomicsblueprint](http://www.ninr.nih.gov/genomicsblueprint), and the full Genomics Special Issue is available at [www.genome.gov/27552093](http://www.genome.gov/27552093). Select authors will present on the diverse genomics topics influencing care across the life and health continuum as part of the *Journal of Nursing Scholarship* Genomic Nursing Webinar Series. To register for the webinars, visit <http://www.genome.gov/27552312>. Space is limited to 100 participants, but webinars are recorded and will be posted on GenomeTV (<http://www.youtube.com/GenomeTV>), NHGRI's YouTube channel. Webinar topics include:

#### **Tuesday, March 5, 2013, 3:30-4:00 p.m. Cardiovascular Genomics**

Dr. Shu-Fen Wung from the University of Arizona will present an update on cardiovascular genomics using three clinically relevant exemplars: myocardial infarction and coronary artery disease; stroke; and sudden cardiac death, and discuss the benefits and limitations of genetic testing for each, and describe specific implications for nurses.

#### **Tuesday, March 5, 2013, 4:00-4:30 p.m. Overview of the Genomics of Metabolic Syndrome**

Acting Scientific Director of NINR's Division of Intramural Research, Dr. Ann Cashion, and Dr. Jacquelyn Taylor from Yale University will present an overview of the diagnostic criteria for the components of metabolic syndrome (MetS) including cardiovascular, obesity and diabetes genomic risk factors.

## **Tuesday, May 7, 2013, 3:30-4:30 p.m. Blueprint for Genomic Nursing Science**

Drs. Kathleen Calzone, Jean Jenkins, Ann Cashion, and Alexis Bakos will present recommendations from a 2012 Genomic Nursing State of Science Advisory Panel. This blueprint provides the framework for furthering genomic nursing science to improve health outcomes. Suggestions for targeted research to build the evidence base of the value of genomic information will be offered.

### **3. 2013 NINR Summer Genetics Institute Application Deadline is March 18, 2013**

The 2013 NINR Summer Genetics Institute (SGI) will be held from **June 3rd through 28th** on the NIH Campus in Bethesda, Maryland. **The application period is now open and will close on March 18.**

The SGI is a tuition-free, one-month, intensive research training program that provides participants with a foundation in molecular genetics appropriate for use in research and clinical practice. The program seeks to increase the research capability among graduate students and faculty and to develop and expand clinical practice in genetics among clinicians.

Administered by the Foundation for Advanced Education in the Sciences (FAES) as one of its Specialty BioTrac programs, the SGI features lectures and hands-on laboratory training. On completion of the program, participants receive eight hours of graduate-level college credit from FAES.

More than 250 SGI graduates are making a difference in communities across the nation—building programs of nursing research in genetics; disseminating the results of genetics-related research in peer-reviewed scientific publications and at scientific conferences; and integrating genetics content in nursing school curricula and practice. The SGI has also contributed to the successful academic careers of many nurse scientists.

Graduate students, faculty, and clinicians who are citizens or permanent U.S. residents may apply. Applicants should demonstrate potential for highly productive research or a clinical career.

For more information on the 2013 SGI, visit <http://www.ninr.nih.gov/SGI> or send an email with “NINR SGI” in the subject line to [NINRIRPTraining@mail.nih.gov](mailto:NINRIRPTraining@mail.nih.gov).

### **4. Save the Date - NINR-Hosted EOL PC SIG Lecture: April 18, 2013**

NINR-supported researcher Jennifer Temel, M.D., Ph.D. will present “Integrating Palliative and Oncology Care in Patients with Advanced Cancer” as part of the NIH End-of-Life and Palliative Care Special Interest Group (EOL PC SIG) Lecture Series on **Thursday, April 18, 2013 at 3:30 p.m.** in Natcher Building 45, Room J.

Dr. Temel’s research interests include optimizing the delivery of care for both lung cancer patients and their families, with a focus on palliative and end-of-life care. She is a current NINR R01 grant recipient for her study entitled “Early Palliative Care for Newly Diagnosed Cancer Patients.”

The NIH EOL PC SIG provides a forum for interested researchers from the NIH Intramural and Extramural Research Programs as well as interdisciplinary scientists from the non-NIH community to discuss current trends and exchange information in end-of-life and palliative care (EOL PC) research, including research translation. Meetings include lectures from leading researchers in the field and group discussions of topical events or work-in-progress within the EOL PC scientific and research communities.

Another upcoming lecture will be held on **Thursday, March 4, 2013 from 3:00 p.m. to 5:00 p.m.:**

- “Ethics and Evidence: From Quinlan to the ACA” presented by Mildred Z. Solomon, Ed.D, President and CEO of The Hastings Center
- “Improving Care Near the End of Life: What Good Can 'Ethics' Do?” presented by Nancy Berlinger, Ph.D., M.Div., Research Scholar, The Hastings Center

For more information, visit <http://sigs.nih.gov/eolpc/Pages/default.aspx>. For visitors to the NIH campus, information is available at <http://www.ors.od.nih.gov/maps/Pages/Gateway-Center-Map.aspx>.

## **5. NINR-Funded Study Shows Unassisted Method Works Best to Restore Independent Breathing in Patients on Ventilators**

An NINR-funded study, published in the *Journal of the American Medical Association (JAMA)*, compared the effectiveness of two methods for removing patients from a ventilator: using a tracheostomy collar versus pressure support. The study found that tracheostomy collars significantly outperformed pressure support in successfully weaning patients from ventilators, with the tracheostomy collar method needing six fewer days to wean patients compared to pressure support.

“By contributing to the evidence base for weaning from machine-assisted breathing, this study will help improve the quality of life for patients on ventilators by helping them regain their ability to breathe on their own more quickly,” NINR Director Patricia A. Grady, Ph.D. said in an NIH press release about the research. “Clinicians also benefit from patient-centered data — which nursing science studies such as this are providing — to develop the most effective guidelines for common procedures such as weaning.”

The study was led by Amal Jubran, M.D., from Edward Hines Jr. Veterans Affairs Hospital, Hines, Ill., RML Specialty Hospital, Hinsdale, Ill., and Loyola University of Chicago Stritch School of Medicine in Maywood, Ill.

The NIH press release on the research findings is available online at:  
<http://www.nih.gov/news/health/jan2013/ninr-25.htm>.

## **6. Dr. Mary Woo to Give 2013 NINR Director’s Lecture**

Dr. Mary Woo will give the third NINR Director’s Lecture on **10:30 -11:30 a.m. on May 21, 2013** in the NIH Clinical Center’s Lipsett Amphitheater. Dr. Woo, a Professor at the University of California at Los Angeles (UCLA) School of Nursing and well-known cardiovascular researcher, will discuss brain-heart interactions in a lecture entitled “It’s All in the Mind: Heart Failure and the Brain.”

Dr. Woo’s research transcends many areas including patient care and cardiovascular and neurologic diseases. Her current investigations suggest that heart failure patients have significant brain damage in areas that dramatically impact cognition, emotion, and breathing. By developing interventions that minimize or reverse the brain damage in heart failure, Dr. Woo aims to improve health outcomes for heart failure patients and decrease health care costs.

The NINR Director’s Lecture is an annual event, designed to bring the nation’s top nurse scientists to the NIH campus to share their work and interests with a trans-disciplinary audience. The lecture was initiated as part of the year-long observation of the Institute’s first 25 years at the NIH.

This event is free and open to the public. Registration is not required. Please note that seating will be available on a first come, first served basis. For more information, including directions and a campus map, please visit <http://www.ors.od.nih.gov/maps/Pages/Gateway-Center-Map.aspx>.

For more information about the event or the speaker, please visit <https://www.ninr.nih.gov/newsandinformation/events>.

## **7. NINR Sponsors Students in Minority Faculty-Student Partnership Traineeship in Biotechnology**

In January 2013, NINR sponsored seven participants—five pre-nursing and nursing students and two faculty members—to participate in the Foundation for the Advanced Education in the Sciences (FAES) Bio-Trac Minority Faculty-Student Partnership Traineeship (MFSP) in Biotechnology’s Program. The four-day course, “Polymerase Chain Reaction (PCR): Basic and Real Time Techniques and Applications,” took place at the NIH campus in Bethesda, Md.

The MFSP Traineeships in Biotechnology program was developed to address the underrepresentation of minorities in research science, biotechnology, and medical careers. It provides training in the latest principles

and techniques in biotechnology for minority faculty and students from Historically Black Colleges and Universities (HBCUs), Hispanic Serving Institutions (HSIs), and Indian Tribal Colleges or Universities (ITCUs). Over 900 students and faculty members have participated since the program was first introduced in 1992.

For more information about the Minority Faculty-Student Partnership Traineeship in Biotechnology and other training opportunities at the NIH, please visit <http://www.biotrac.com/pages/specialtyprograms.html>. For information about training opportunities at NINR, please visit <https://www.ninr.nih.gov/training>.

## **8. 80th Meeting of the National Advisory Council for Nursing Research**

The open session of the 80th meeting of the National Advisory Council for Nursing Research (NACNR) will take place on May 21, 2013, from 1:00 – 5:00 p.m. in Conference Room 6C6, Building 31, C wing, on the NIH campus. Visitors are welcome to attend.

The NACNR meets three times a year to provide recommendations on the direction and support of the nursing, biomedical, social, and behavioral research that forms the evidence base for nursing practice.

**Please note:** Council members will review and discuss new research concepts for future NINR funding opportunities and initiatives during the May 2013 NACNR meeting instead of the September 2013 NACNR meeting.

More information about the NACNR is available online at: [www.ninr.nih.gov/AboutNINR/NACNR](http://www.ninr.nih.gov/AboutNINR/NACNR).

Information on visiting the NIH campus is available online at: [www.nih.gov/about/visitor/index.htm](http://www.nih.gov/about/visitor/index.htm).

## **9. Current Funding Opportunity Announcements and Notices**

All current NINR Funding Opportunity Announcements, including Requests for Applications (RFAs) and Program Announcements (PAs), as well as Notices of interest from NIH, are available on the NINR website at <https://www.ninr.nih.gov/researchandfunding/dea/oep/fundingopportunities>. These items can also be found in the NIH Guide for Grants and Contracts: [grants.nih.gov/grants/guide/index.html](http://grants.nih.gov/grants/guide/index.html).